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TITLE FRICTION MATERIAL

ABSTRACT PROBLEM TO BE SOLVED: To obtain a friction material useful as an object material to e.g. rotors, drums reinforced by hard material and formed mainly of aluminum alloy and capable of preventing them from scoring by including an organic fiber base material, a binder resin, specific metallic powder, and the like, and no metallic fiber.

SOLUTION: This friction material is obtained by including (A) preferably 5-20 vol.% of an organic fiber base material such as aramid fiber, (B) preferably 13-25 vol.% of a binder resin such as phenolic resin, (C) preferably 10-40 vol.% of a friction conditioner such as graphite, (D) preferably 2-30 vol.% of a filler such as barium sulfate, (E) preferably 2-30 vol.% of inorganic powder such as mica, (F) preferably 5-25 vol.% of inorganic fiber preferably having a softening point of $>850^{\circ}\text{C}$ and preferably having a Mohs hardness of 3-5 (preferably e.g. slag wool) and (G) preferably 1-20 vol.% of metallic powder preferably with a particle diameter of 1-180 μm such as of copper, and by including no metallic fiber.

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